

## WHAT IS CLAIMED IS:

1. A non-contact heat fixing toner, comprising a binder resin, a colorant, an infrared absorbing agent, a first wax and a second wax, wherein a difference (X - Y) between the maximum peak temperature (X; °C) in the differential thermal curve in the first wax and Tg (Y; °C) of the binder resin is within the range from -5 to +10°C.

2. The non-contact heat fixing toner of Claim 1, wherein a weight ratio of the first wax and the second wax is in the range from 3 : 1 to 7 : 1.

3. The non-contact heat fixing toner of Claim 1, wherein a cyanine-based compound and an aminium-based compound are contained as an infrared absorbing agent, and a weight ratio of the cyanine-based compound and the aminium-based compound being in the range from 2:1 to 1:3.

4. The non-contact heat fixing toner of Claim 1, wherein the first wax is a fatty acid ester wax and the second wax is a polyolefin-based wax.

5. The non-contact heat fixing toner of Claim 1, wherein the first wax has a maximum peak temperature in the differential thermal curve in the range from 55 to 75 °C.

6. The non-contact heat fixing toner of Claim 1, wherein the binder resin has a softening point (Tm) in the range from 90 to 110°C and two peaks in its molecular-weight distribution.

7. The non-contact heat fixing toner of Claim 1, wherein the maximum peak temperature (°C) in the

differential thermal curve in the first wax and  $T_g$  ( $^{\circ}$ C) of the binder resin is equal.

8. The non-contact heat fixing toner of Claim 1, wherein the binder resin comprises a first polyester based resin and a second polyester based resin.

9. The non-contact heat fixing toner of Claim 8, wherein the first polyester resin has a softening point in the range from 90 to 120 $^{\circ}$ C and the second polyester resin has a softening point in the range from 115 to 145 $^{\circ}$ C.

10. The non-contact heat fixing toner of Claim 8, wherein a weight ratio of the first polyester-based resin and the second polyester-based resin is in the range from 9:1 to 7:3.

11. The non-contact heat fixing toner of Claim 1, wherein a melting point of the second wax is in the range from 80 to 150 $^{\circ}$ C.

12. The non-contact heat fixing toner of Claim 1, wherein a total content of the first and second waxes is within the range from 0.5 to 5 parts by weight with respect to 100 parts by weights of the binder resin.

13. The non-contact heat fixing toner of Claim 1, wherein the toner is prepared by a wet granulation method.

14. The non-contact heat fixing toner of Claim 1, wherein the infrared absorbing agent is the one which suppresses its own color by light-irradiation.

15. The non-contact heat fixing toner of Claim 2, wherein a cyanine-based compound and an aminium-based compound is respectively used at an amounts in the range of

0.1 to 1.5 parts by weight with respect to 100 parts by weight of the binder resin.

16. An image-forming method, comprising:  
forming toner-images on a recording medium and  
fixing the toner images on the recording medium,  
wherein a toner comprises a binder resin, a colorant, an  
infrared absorbing agent, a first wax and a second wax;  
a difference (X - Y) between the maximum peak temperature  
(X; °C) in the differential thermal curve in the first wax  
and Tg (Y; °C) of the binder resin being within the range  
from -5 to +10°C and a weight ratio of the first wax and  
the second wax being in the range from 3 : 1 to 7 : 1.

17. The image-forming method of Claim 16, wherein the  
toner is fixed by a flash fixing device provided with a  
flash lamp.

18. The image-forming method of Claim 17, wherein the  
light-emitting energy of the flash lamp is in the range of  
1.0 to 3.5. J/cm<sup>2</sup>.

19. The image-forming method of Claim 17, wherein an  
amount of use of infrared absorbing agent is in the range  
from 0.01 to 5 parts by weight with respect to 100 parts by  
weight of the binder resin.

20. The image-forming method of Claim 17, wherein a  
cyanine-based compound and an aminium-based compound are  
contained as an infrared absorbing agent, and a weight  
ratio of the cyanine-based compound and the aminium-based  
compound being in the range from 2:1 to 1:3.